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This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A network-based eyeglass lens and frame ordering and marketing system comprising:

a user interface unit;

an electronic service center;

at least one of a network and a data transmission system connecting the user interface unit and the electronic service center;

an eyeglass frame selection means for selecting eyeglass frames from among a plurality of eyeglass frames in response to input from a user;

means for creating display information relating to eyeglass frames;

vision testing means for testing vision of the user;

means for receiving data, such as a doctor's prescription relating to the user's vision, age and the latest vision data;

an eyeglass lens selection means for selecting eyeglass lenses from among a plurality of eyeglass lenses in response to user input;

an eyeglass ordering and marketing processing means for allowing said eyeglass frame selection means, said vision testing means, and said lens selection means to test vision in response to a requirement of the user sent from the user interface unit, to determine eyeglass frames and eyeglass lenses suitable for the vision tested by said vision testing means, for providing the user user with information about ordering, and for concluding an eyeglass purchase contract with the user; and

a display information creating means for creating information relating to eyeglass frames in cooperation with or independently of at least one of said frame selection means and said eyeglass ordering and marketing processing means, and for

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transmitting the information relating to the eyeglass frames to the user interface unit;
wherein

said electronic service center comprises a user information registration means, a frame selection information input means, a database control means, a frame information registration means, a frame image registration means, a frame selection means, an image processing means, an output means, and a WWW server;

said frame image registration means inputs frame images provided by the electronic service center;

said user information registration means registers and controls user's information including addresses, names, dates of birth, telephone numbers, eye conditions, requests for eyeglasses, data for identifying users such as user identifications (IDs), user passwords, and user codes, and a face image sent from the user interface unit;

said database control means stores and controls a user's face images input by the user information registration means and frame images input thereto;

said frame selection means is adapted to select an appropriate one of frame functional structures such as the distance between the right and left pupils, the widths from the center of the right and left pupils to the feet of the ears, the opening angles of temples determined based on the widths from the center of the right and left pupils to the feet of the ears, the distances from the feet of the ears to the tops of the corneas, the bending positions of the temples, the distances between the tops of the corneas and the foot of the nose, and the opening angles of pad bridges determined based on the distances between the tops of the corneas and the foot of the nose, frame ornamental structures, and frame images, stored by the frame information registration means, for each frame of the database control means, corresponding to frame selection criteria requested by the user and controlled by the database control means, and is adapted to create or select a frame image for displaying eyeglass frames of different types; and

said image processing means is adapted to output via an output means an eyeglass-wearing image with an eyeglass frame image, selected by said frame

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selection means, being combined with the face image data controlled by the database control means, and the user selects one of the lens according to the doctor's prescription, the presbyopic lens when the user's age is at least about 40 years old, the lens according to the latest vision data the electronic service center or the user has, or the lens based on vision test.

Claims 2-11 (canceled)

Claim 12 (currently amended): A method for ordering eyeglass lenses and frames via at least one of a network and a data transmission system and using a user interface unit, an electronic service center, and at least one of a network and a data transmission system connecting the user interface unit and the electronic service center, said method comprising:

selecting eyeglass frames from among a plurality of eyeglass frames in response to user input via the user interface unit;

creating display information relating to eyeglass frames;

testing vision of the user or receiving data relating to the user's vision;

selecting eyeglass lenses from among a plurality of eyeglass lenses in response to the user input and the tested vision of the user;

processing an eyeglass order made based on said eyeglass frame selection step, said vision test step, and said lens selection step such that vision is tested vision in response to a requirement of the user sent from the user interface unit, determining eyeglass frames and eyeglass lenses suitable for the vision, providing the user interface unit with information about ordering, and concluding an eyeglass purchase contract with the user; and

creating display information relating to eyeglass frames in cooperation with or independ ntly of one of said fram selection step and said yeglass ordering

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processing step, and for transmitting the information on the eyeglass frames to the user

interface unit; wherein

said electronic service center comprises a user information registration means, a

frame selection information input means, a database control means, a frame information

registration means, a frame image registration means, a frame selection means, an

image processing means, an output means, and a WWW server;

said frame image registration means inputs frame images provided by the

electronic service center;

said user information registration means registers and controls user's information

including addresses, names, dates of birth, telephone numbers, eye conditions,

requests for eyeglasses, data for identifying users such as user identifications (IDs),

user passwords, and user codes, and a face image sent from the user interface unit;

said database control means stores and controls a user's face images input by

the user information registration means and frame images input thereto;

said frame selection means is adapted to select an appropriate one of frame

functional structures such as the distance between the right and left pupils, the widths

from the center of the right and left pupils to the feet of the ears, the opening angles of

temples determined based on the widths from the center of the right and left pupils to

the feet of the ears, the distances from the feet of the ears to the tops of the corneas,

the bending positions of the temples, the distances between the tops of the corneas and

the foot of the nose, and the opening angles of pad bridges determined based on the

distances between the tops of the corneas and the foot of the nose, frame ornamental

structures, and frame images, stored by the frame information registration means, for

each frame of the database control means, corresponding to frame selection criteria

requested by the user and controlled by the database control means, and is adapted to

create or select a frame image for displaying eyeglass frames of different types; and

said image processing means is adapted to output via an output means an

eyeglass-wearing imag with an eyeglass fram image, selected by said frame

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selection means, being combined with the face image data controlled by the database control means, and the user selects one of the lens according to the doctor's prescription, the presbyopic lens when the user's age is at least about 40 years old, the lens according to the latest vision data the electronic service center or the user has, or the lens based on vision test.

Claims 13-16 (canceled)